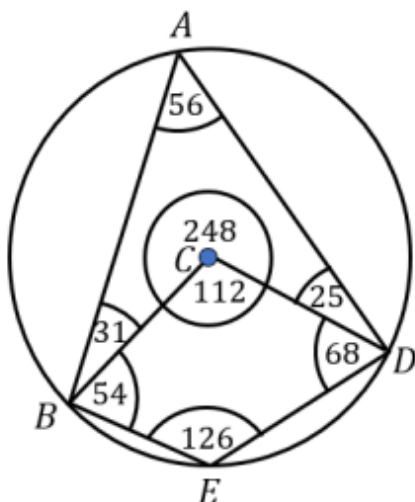


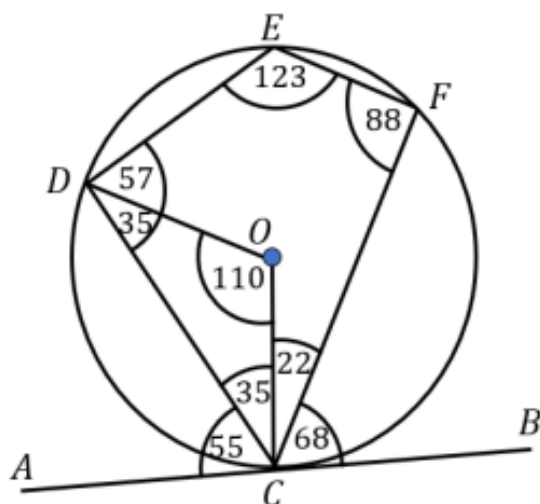
(8) Mixed problems

Do now: Angle notation



Write down the size of the following angles:

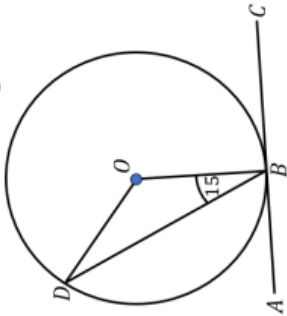
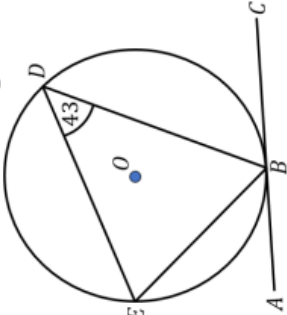
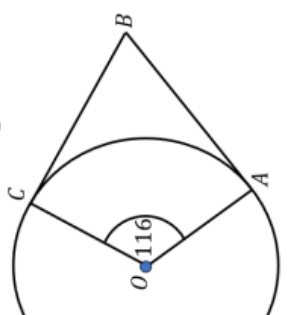
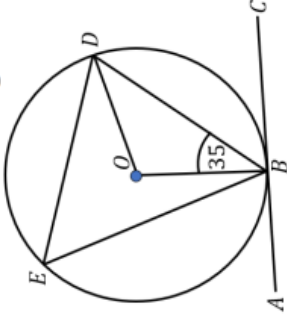
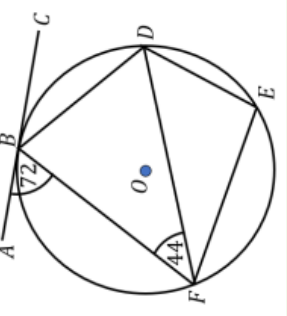
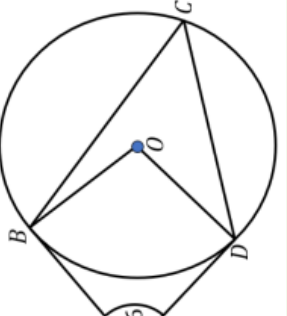
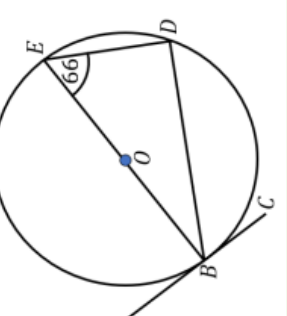
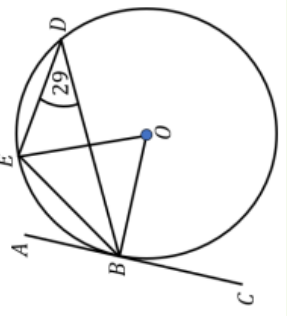
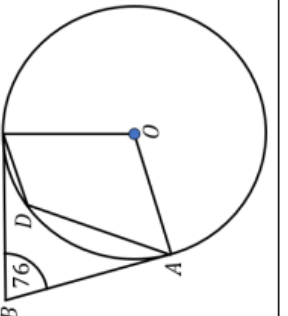
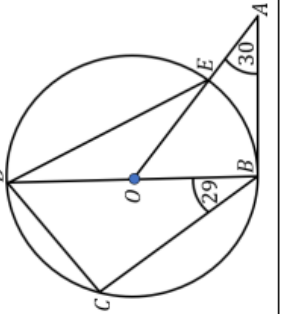
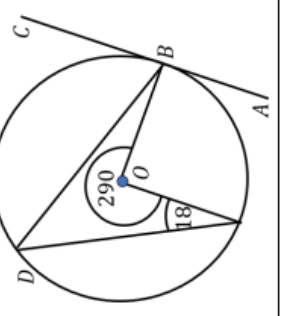
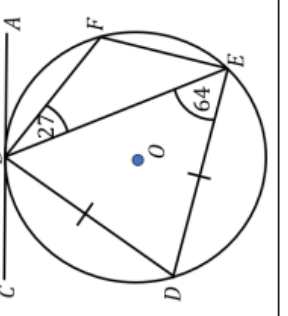
- | | |
|----------------------------|-----------|
| (a) ABC | (b) BED |
| (c) BAD | (d) EDC |
| (e) CDA | (f) EBA |
| (g) the obtuse angle DCB | |
| (h) the reflex angle DCB | |



Write down the size of the following angles:

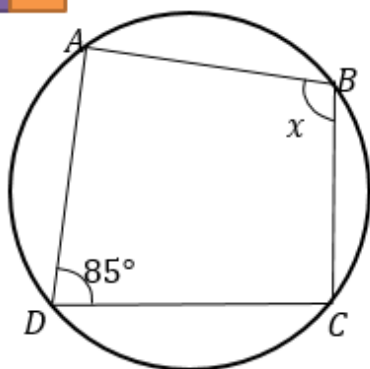
- | | |
|------------|------------|
| (a) DEF | (b) CFE |
| (c) $ OCD$ | (d) $ DCA$ |
| (e) $ BCF$ | (f) $ OCA$ |
| (g) $ DCB$ | (h) $ EDC$ |

From memory list the circle theorems with diagrams.

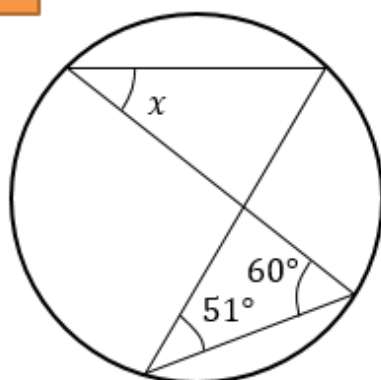
Mixed Circle Theorems with Tangents				
(a)	(b)	(c)	(d)	
Find the size of angle ABD	Find the size of angle EBA	Find the size of angle ABC	Find the size of angle BED	
				
(e)	(f)	(g)	(h)	
Find the size of angle DEF	Find the size of angle BCD	Find the size of angle DBC	Find the size of angle ABE	
				
(i)	(j)	(k)	(l)	
Find the size of angle ADC	Find the size of angle EDC	Find the size of angle DBC	Find the size of angle FEB	
				

Mixed Problems

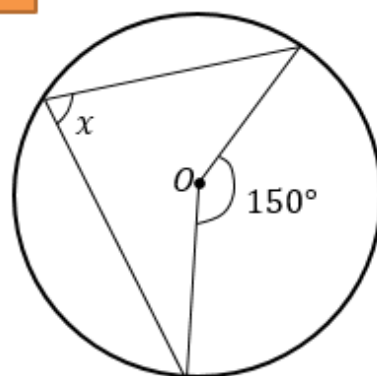
1 a



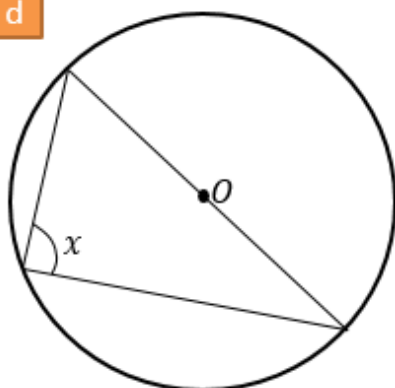
b



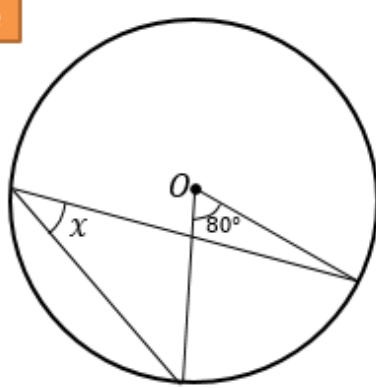
c



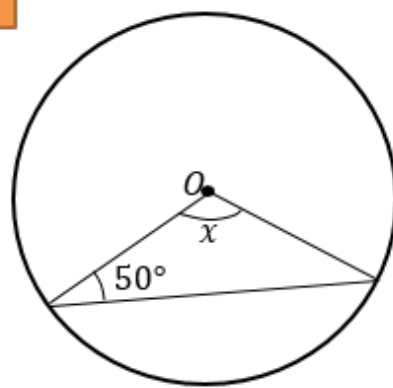
d



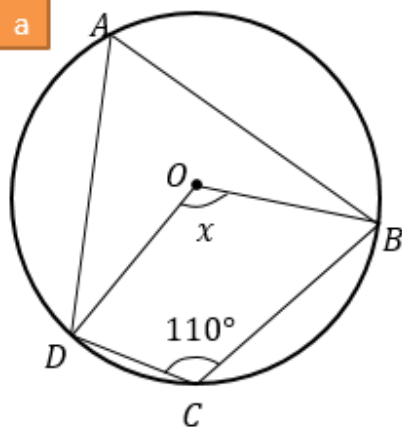
e



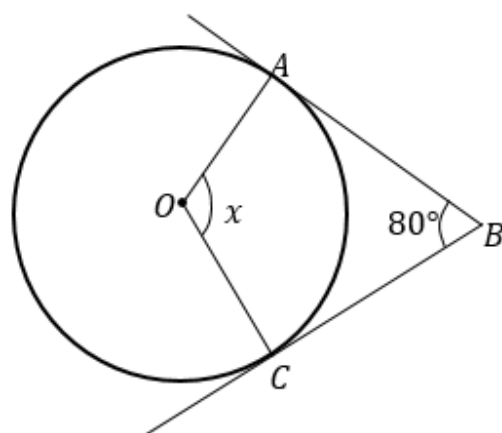
f



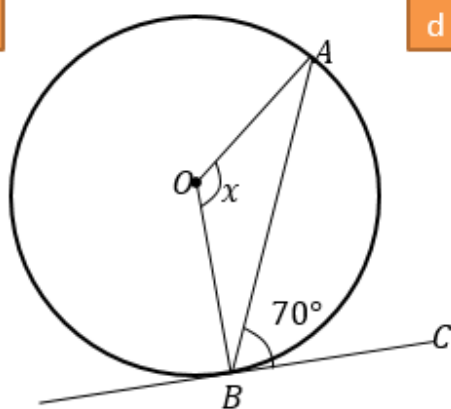
2 a



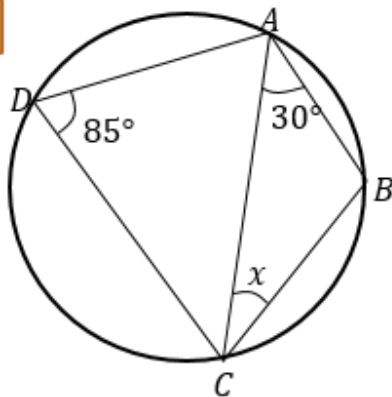
b



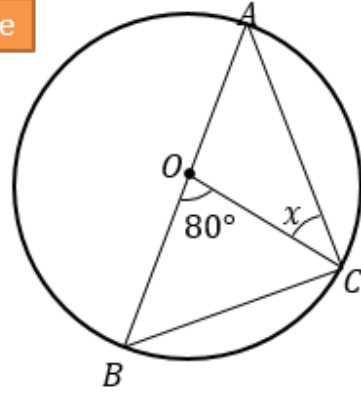
c



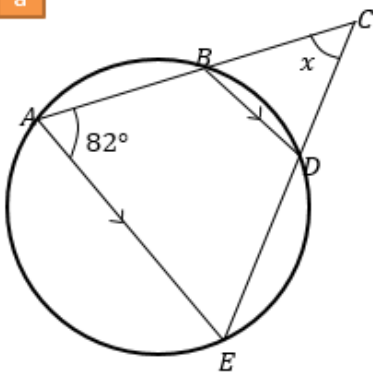
d



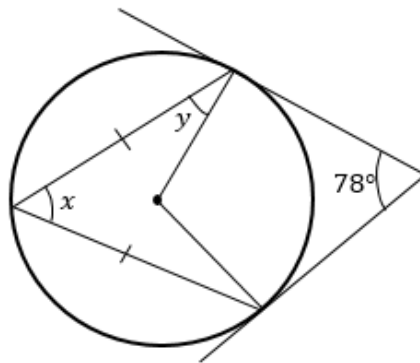
e



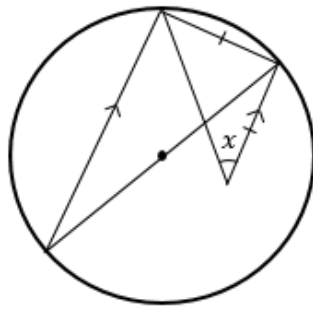
3 a



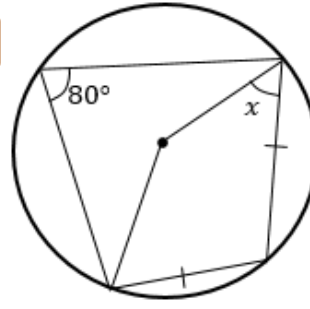
b



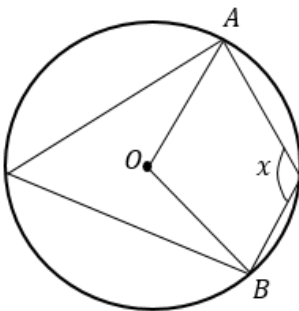
c



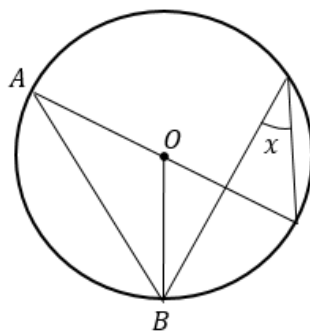
d



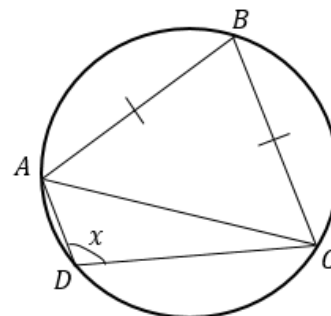
4 Determine each indicated angle in terms of x .



$\angle AOB =$

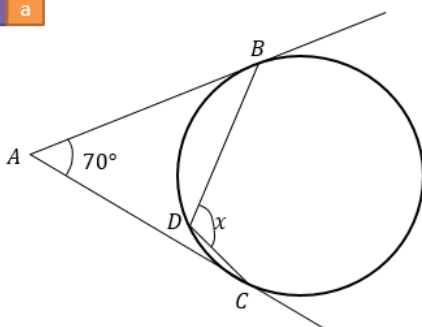


$\angle AOB =$

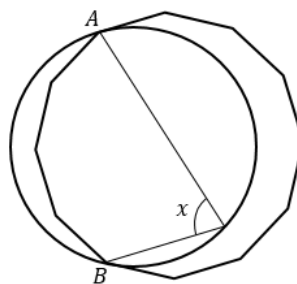


$\angle BAC =$

5 a



b



c

